

Abstract of the Disclosure

A gel mold for electrophoresis is constructed by binding a front film and a rear
5 film onto the opposing faces of a frame of U-shape or four-sided shape. Said front film,
rear film, and frame bend to the same direction with the same degree of curvature to form
a curved chamber wherein an electrophoresis gel is prepared. There are a first opening
10 on the top of said chamber and a second opening(s) on the bottom of said chamber for
conducting electricity. Said gel mold is structurally stable due to the curved structure and
is more efficient in heat dissipation due to the thin film, resulting in shorter run time, less
waste, and better resolution.